



REMOTE CONTROL DIAGNOSTIC



NEW GENERATION

High Frequency - F52-8C Remote Controlled Diagnostic X-ray System



Generator	Radiography kV Range	44 to 125kV total 41 steps	
	Radiography mA Range	30 to 500mA total 8 steps	
	Exposure Time	0.02 to 5s total 23 steps	
	Fluoroscopy kV Range	44 to 110kV	
	Fluoroscopy mA Range	0.5 to 5mA continuous regulation	
	TOMO	Tomographic capability	
	Anatomical Programing	Yes	
	Power Supply	380VAC±38VAC, 3-phase	
	Power Frequency	50/60Hz±1Hz	
	Power Capacity	50kVA	
X-ray Tube	◆◆	XD52-30.50/125	XD51-20.40/125
	Rated Voltage	125kV	125kV
	Rated Focal Spot Value	1.0/2.0mm	1.0/2.0mm
	Max Power(0.1s)(kW)	30 (small) / 50 (big)	20 (small) / 40 (big)

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	Rotate Speed (min1/rpm)	2800 (50Hz)	2800 (50Hz)
	Anode Heat Storage Capacity	190,000HU	140,000HU
	Heat Storage of Tube Assembly	1,250,000HU	1,250,000HU
Diagnostic Table	Film Size and Exposure Procedure	8" × 10"	
		10" × 12"	
		11" × 14"	
		14" × 14"	
	Send Film Method	Film feed driven by motor; Automatic skipping	
	Range of Movement	≥720mm (longitudinally)	
		≥200mm (transversely)	
		≥260mm for pressure direction, Press power: 80~100N	
	Pattern of Movement	Driven electrically	
	Filtering Grid	Fixed type; grid ratio: r=8; grid density: N=40L/cm	
		Focal distance: 70cm; Size: 14" × 14"	
	Range of Movement	+90° ~ 0° ~ -15°	
	Pattern of Movement	Driven electrically, at a speed of about 90°/30s	
Range of Movement	Able to be extended 30cm at the front end		
Pattern of Movement	Driven electrically, at a speed of about 3cm/s		
Radiographic Table	Tabletop Length	2000mm	
	Tabletop Width	740mm	
	Tabletop Height	658mm	
	Tabletop Movement	Longitudinal: 1200mm; Lateral: 200mm	
	Strut Movement Along Table (Longitudinal)	1200mm	
	DIS Travel while X-ray Tube Assembly Vertically Moving up and down	1100mm	
	Rotation Range of X-ray Tube Around Lateral Arm	+120° ~ -120°	
	Strut Rotation Range	+180° ~ -180°	

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	Tabletop Locking	electromagnetically locking, brake pressure $\geq 100N$	
	Tabletop Locking Control	footswitch (normally closed)	
	Bucky Vibration Mode	Fixed type	
	Focus	fo=100	
	Grid Size	14" X 17" (356mm x 432mm)	
	Film Loaded in Bucky	Max 14" x 17"	
	Longitudinal Travel of Bucky	500mm	
	Bucky Locking	electromagnetically locking, brake pressure $\geq 100N$	
Image System	Working Mode	Continuous	
	Scanning Ratio	2.1 Interlaced	
	Number of Scanning Line	625TCL	
	Number of Frame per Second	25	
	Aspect Ratio	4: 3	
	CCD Camera	400,000 pixels CCD	
	Resolution	Horizontal Center ≥ 800 TVL; Vertical Center ≥ 400 TVL	
Image Intensifier	Model	Thales	
	Input size	9 inch (9"/6"/4.5")	
	Resolution	46 lp/cm	
	DQE	65%	
		Image Processing Function	
		Last image hold	
		8 images storage	
		Dynamic function	
		Static function	
		Digital mask circle	
		Automatic KV control	
14 inch monitor 1set			
Collimator	◆◆	XS1-2	XS1-2
	Mode of Adjustment	Manuel	Electrically-Driven
	Maximum Tube Voltage	150kV	150kV

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	Radiation Field [Max SID = 65cm]	350mm X 350mm	350mm X 350mm
	Radiation Field [Min SID = 100cm]	0	≤50mm X 50mm
	Time Limit of the Light Source	≤60s	N/A
	Inherent Filtration	1.5 (mmAl)	N/A
	External Dimension (L×W×H)	250×224×250mm	212×212×223mm

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